In re Application of Min-ju Kim
Application No. 10/716,009
Response to Office Action of January 26, 2007

Listing of Claims

This listing of the claims will replace all prior versions, and listings, of claims in the application.

Claim 1 (original):   A method of controlling operation of a digital camera to take an identification photograph in a natural setting, the method comprising:

    displaying a frame and a reference outline in a display unit;

    performing photography;

    displaying a detection area adjacent to the reference outline; and

    detecting the outline of a figure within the detection area.

Claim 2 (original):   The method of claim 1, wherein the method further comprises:

    deleting the background area of the photographed image with respect to the detected outline.

Claim 3 (original):   The method of claim 2, wherein the method further comprises:

    inserting a background image for the identification photograph in the deleted background area.

Claim 4 (original):   The method of claim 1, wherein the type of frame and reference outline correspond to specifications input by a user.

Claim 5 (original):   The method of claim 1, wherein the step of performing photography includes:

    allowing a user to aim the camera and set the zoom factor.

Claim 6 (original):   The method of claim 5, wherein the zoom may be an optical or digital zoom.

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Claim 7 (original):   The method of claim 1, wherein the step of performing photography includes:

taking a digital photograph.

Claim 8 (original):   The method of claim 1, wherein the method further comprises:

enlarging or contracting the detection area.

Claim 9 (original):   The method of claim 8, wherein the detection area is enlarged or contracted based on user input.

Claim 10 (original):   A method of controlling operation of a digital camera to take an identification photograph in a natural setting, the method comprising:

allowing a user to input specifications corresponding to type of frame and reference outline for the identification photograph;

displaying the corresponding frame and the corresponding reference outline in a display unit;

allowing the user to aim the camera and set the zoom factor;

taking a digital photograph;

displaying a detection area adjacent to the reference outline;

enlarging, contracting, or maintaining the detection area;

detecting the outline of a figure within the detection area;

deleting the background area of the photographed image with respect to the detected outline; and

inserting a background image for the identification photograph in the deleted background area.

Claim 11 (new):   The method of claim 1, wherein the detecting step comprises:

detecting the outline of the figure based on pixels having a relatively greater gradation difference among pixels in the detection area.

Claim 12 (new):   The method of claim 1, wherein:

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the detection area encompasses the reference outline, such that a portion of the detection area is within an area defined by the reference outline, and another portion of the detection area is outside of the area defined by the reference outline.

Claim 13 (new):   The method of claim 10, wherein the detecting step comprises:

detecting the outline of the figure based on pixels having a relatively greater gradation difference among pixels in the detection area.

Claim 14 (new):   The method of claim 10, wherein:

the detection area encompasses the reference outline, such that a portion of the detection area is within an area defined by the reference outline, and another portion of the detection area is outside of the area defined by the reference outline.